

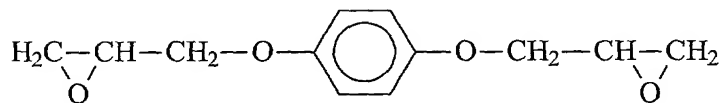
What is claimed is:

1. A powdered epoxy composition comprising:
  - (a) from about 30 to 40 wt% of at least one crystalline epoxy;
  - (b) from about 10 to 40 wt% of at least one phenolic resole resin; and
  - (c) from about 10 to 40 wt% of at least one multifunctional branched hindered phenol,

wherein all weight percentages are based on the total weight of said composition.

2. The powdered epoxy composition of claim 1, wherein said crystalline epoxy has an equivalent weight of about 115 to 125.

3. The powdered epoxy composition of claim 1, wherein said crystalline epoxy has the following formula:



4. The powdered epoxy composition of claim 1, wherein the phenolic resole resin is butylphenol resole resin.

5. The powdered epoxy composition of claim 1 further comprising less than about 1 wt% benzoin.

6. The powdered epoxy composition of claim 5 further comprising about 35 to 45 wt% bisphenol A terminated epoxy.

7. The powdered epoxy composition of claim 6 having a gel time of about 60 to 180 seconds at 150° C.

8. The powdered epoxy composition of claim 1 further comprising less than about 1 wt% catalyst.

9. The powdered epoxy composition of claim 8, wherein said catalyst is 2-methylimidazole.

5 10. The powdered epoxy composition of claim 1, wherein said crystalline epoxy resin has a melt viscosity of less than 5 centipoise at 150° C.

11. The powdered epoxy composition of claim 1, wherein said multifunctional branched hindered phenol is selected from the group consisting of  
10 IRGANOX 1010, LOWINOX 1790, and combinations thereof.

12. An epoxy coating comprising the reaction product of:  
(a) from about 30 to 40 wt% of at least one crystalline epoxy;  
(b) from about 10 to 40 wt% of at least one phenolic resole resin;  
15 (c) from about 10 to 40 wt% of at least one multifunctional branched hindered phenol; and  
(d) less than about 1 wt% benzoin,  
wherein all weight percentages are based on the total weight of said composition.

20 13. The epoxy coating of claim 12, wherein said reaction product further comprises about 35 to 45 wt% bisphenol A terminated epoxy.

14. The epoxy coating of claim 12 having an overlap shear at 180° C of 50  
25 psi or greater.

15. A method of coating electrical windings, said method comprising the steps of:

- (a) providing a powdered epoxy composition comprising: (i) from about 30 to 40 wt% of at least one crystalline epoxy; (ii) from about 10 to 40 wt% of at least one phenolic resole resin; (iii) from about 10 to 40 wt% of at least one multifunctional branched hindered phenol, and (iv) less than about 1 wt% benzoin;
- (b) providing an electrical winding;
- (c) heating said electrical winding to at least about 150° C; and
- (d) applying said powdered epoxy composition to said heated electrical winding.

16. The method of claim 15 further comprising rotating said electrical winding during step (d).